



FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: BP0003-US  
APPLICANT: O'Keefe et al.  
SERIAL NO.: 10/017,445  
FILING DATE: December 14, 2001  
GROUP: 1645

## US PATENT DOCUMENTS

| EXAM<br>INIT. |    | DOCUMENT<br>NUMBER | DATE           | NAME              | CLASS | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|---------------|----|--------------------|----------------|-------------------|-------|--------------|-------------------------------|
| 58            | AC | 5,527,675          | June 18, 1996  | Coull et al.      | 435   | 6            | Aug. 20, 1993                 |
|               | AD | 5,623,049          | April 22, 1997 | Löbberding et al. | 530   | 300          | Sep. 6, 1994                  |
|               | AE | 5,714,331          | Feb. 3, 1998   | Büchardt et al.   | 435   | 6            | July 24, 1996                 |
|               | AF | 5,736,336          | April 7, 1998  | Büchardt et al.   | 435   | 6            | May 1, 1997                   |
|               | AG | 5,766,855          | June 16, 1998  | Büchardt et al.   | 435   | 6            | June 24, 1996                 |
|               | AH | 5,786,461          | July 28, 1998  | Büchardt et al.   | 536   | 18.7         | May 1, 1997                   |
|               | AI | 5,837,459          | Nov. 17, 1998  | Berg et al.       | 435   | 6            | May 24, 1996                  |
|               | AJ | 5,891,625          | April 6, 1999  | Büchardt et al.   | 435   | 6            | June 7, 1993                  |
|               | AK | 5,972,610          | Oct. 26, 1999  | Büchardt et al.   | 530   | 350          | Oct. 8, 1997                  |
|               | AL | 5,986,053          | Nov. 16, 1999  | Ecker et al.      | 536   | 23.1         | June 7, 1995                  |
|               | AM | 6,107,470          | Aug. 22, 2000  | Nielsen et al.    | 536   | 23.1         | Jan. 4, 1999                  |
| 31            | AN | 6,150,097          | Nov. 21, 2000  | Tyagi et al.      | 435   | 6            | Dec. 12, 1997                 |

FOREIGN PATENT  
DOCUMENTS

| EXAM<br>INIT. |    | DOCUMENT<br>NUMBER  | DATE          | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATION<br>YES NO |
|---------------|----|---|---------------|---------|-------|--------------|-----------------------|
| 46            | BF | WO96/40709  | Dec. 19, 1996 | WIPO    |       |              | X                     |
| 58            | CG | Luk, J. et al, Rapid And Sensitive Detection Of Salmonella (0:6,7) By Immunomagnetic Monoclonal Antibody-Based Assays. <b>Journal Of Immunological Methods</b> , 1, 1-8 (1991)  |               |         |       |              |                       |
|               | CH | Oliveira, K. et al. Differentiation of Candida Albicans And Candida Dubliniensis By Fluorescent In Situ Hybridization With Peptide Nucleic Acid Probes. <b>Journal Of Clinical Microbiology</b> , 11, 4138-4141 (2001)  |               |         |       |              |                       |
|               | CI | Perry O'Keefe, H. et al, Identification Of Indicator Microorganisms Using A Standardized PNA FISH Method. <b>Journal of Microbiological Methods</b> , 47, 281-292 (2001)  |               |         |       |              |                       |
|               | CJ | Pluskal, M. et al, Peptide Nucleic Acid Probes And Their Application In DNA and RNA Blot Hybridization Analysis. <b>Journal Fed. Of American Soc. For Experimental Biology</b> , 7, pA1264 (1994)   |               |         |       |              |                       |
|               | CK | Stender, H. et al, A New Molecular Method for Simultaneous Identification And Enumeration Of Brettanomyces In Wine. <b>American Society For Microbiology</b> , 99, p.516 (1999)   |               |         |       |              |                       |
|               | CL | Stender, H. et al, Combination of ATP-Bioluminescence and PNA Probes Allow Rapid Total Counts And Identification Of Specific Microorganisms In Mixed Populations. <b>Journal Of Microbiological Methods</b> , 1, 69-75  |               |         |       |              |                       |
|               | CM | Stender, H. et al, Direct Detection And Identification Of <i>Mycobacterium Tuberculosis</i> In Smear-Positive Sputum Samples By Fluorescence In Situ Hybridization (FISH) Using Peptide Nucleic Acid (PNA) Probes. <b>Int. Tuberc Lung Dis</b> , 9, 830-837 (1999)  |               |         |       |              |                       |
|               | CN | Stender, H. et al, Fluorescence In Situ Hybridization Assay Using Peptide Nucleic Acid Probes For Differentiation Between Tuberculous And Nontuberculous Mycobacterium Species In Smears Of Mycobacterium Cultures. <b>Journal of Clinical Microbiology</b> , Applied And Environmental Microbiology, 2, 938-941 (2001) |               |         |       |              |                       |
|               | CO | Stender, H. et al, Identification of <i>Dekkera Bruxellensis</i> ( <i>Brettanomyces</i> ) From Wine By Fluorescence In Situ Hybridization Using Peptide Nucleic Acid Probes. <b>Applied And Environmental Microbiology</b> , 2, 938-941 (2001)  |               |         |       |              |                       |
|               | CP | Stender, H. et al, Rapid Detection, Identification, And Enumeration of <i>Escherichia Coli</i> by Fluorescence In Situ Hybridization Using An Array Scanner. <b>Journal Of Microbiological Methods</b> , 1 (2001)   |               |         |       |              |                       |
|               | CQ | Stender, H. et al, Rapid Detection, Identification, And Enumeration Of <i>Pseudomonas</i> In Bottled Water Using Peptide Nucleic Acid Probes. <b>Journal of Microbiological Methods</b> , 3, 245-253 (2000)   |               |         |       |              |                       |
| 58            | CR | Stender, H. et al, I-124. Simultaneous Identification And Enumeration of Microorganisms By Filter-Based In Situ Hybridization Using Enzyme-Labeled Acid Probes. <b>American Society For Microbiology</b> , 100, p. 408 (2000)   |               |         |       |              |                       |

EXAMINER:

DATE CONSIDERED:

3/20/03

FORM PTO-1449



INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: BP0003-US

APPLICANT: O'Keefe et al.

SERIAL NO.:

FILING DATE: December 14, 2001

GROUP: Not assigned

| US PATENT DOCUMENTS         |    |   |               |                   |       |              |                               |
|-----------------------------|----|---|---------------|-------------------|-------|--------------|-------------------------------|
| EXAM<br>INIT.               |    | DOCUMENT<br>NUMBER  | DATE          | NAME              | CLASS | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |
| 88                          | AA | 5,539,082   | July 23, 1996 | Nielsen, P. et al | 530   | 300          | Apr 26, 1993                  |
| 88                          | AB | 6,110,676   | Aug 29, 2000  | Coull, J. et al   | 435   | 6            | Nov 3, 1997                   |
| FOREIGN PATENT<br>DOCUMENTS |    |   |               |                   |       |              |                               |
| EXAM<br>INIT.               |    | DOCUMENT<br>NUMBER  | DATE          | COUNTRY           | CLASS | SUB<br>CLASS | TRANSLATION<br>YES NO         |
| 88                          | BA | WO99/21881  | May 6, 1999   | WIPO              |       |              | X                             |
|                             | BB | WO99/22018  | May 6, 1999   | WIPO              |       |              | X                             |
|                             | BC | WO99/37670  | July 29, 1999 | WIPO              |       |              | X                             |
|                             | BD | WO99/49293  | Sept 30, 1999 | WIPO              |       |              | X                             |
| 88                          | BE | EP849363  | June 24, 1998 | EPO               |       |              | X                             |
| 88                          | CA | Egholm, M. et al, PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogenbonding rules. <b>Nature</b> , 365, 566-568 (1993)  |               |                   |       |              |                               |
|                             | CB | O'Keefe, H. et al, Filter-based PNA <i>In situ</i> hybridization for rapid detection, identification and enumeration of specific micro-organisms. <b>Journal of Applied Microbiology</b> , 90, 180-189  |               |                   |       |              |                               |
|                             | CC | O'Keefe, H. et al, Identification of Indicator microorganisms using a standardized PNA FISH method. <b>Journal Of Microbiological Methods</b> , 47, 281-292 (2001)  |               |                   |       |              |                               |
|                             | CD | O'Keefe, H. et al, Rapid detection, Identification, and enumeration of <i>Escherichia coli</i> by fluorescence <i>In situ</i> hybridization using an array scanner. <b>Journal Of Microbiological Methods</b> , 45, 31-39 (2001)  |               |                   |       |              |                               |
|                             | CE | Stender, H. et al, Fluorescence <i>In Situ</i> Hybridization Assay Using Peptide Nucleic Acid Probes for Differentiation between Tuberculous and Nontuberculous Mycobacterium Species In Smears of Mycobacterium Cultures. <b>Journal of Clinical Microbiology</b> , 37, 2760-2765 (1999) |               |                   |       |              |                               |
| 88                          | CF | Yaron, A. et al, Intramolecularly Quenched Fluorogenic Substrates for Hydrolytic Enzymes. <b>Analytical Biochemistry</b> , 95, 228-235 (1979)   |               |                   |       |              |                               |

EXAMINER:

*Gally Gph*

DATE CONSIDERED:

3/20/03